

SEQUENCE LISTING

<110> Abarzua, Patricio

<120> Process for Allele Discrimination Using Primer Extension

<130> 469290-55

<140>

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<150> U.S. 60/194843

<151> 2000-04-05

<160> 35

<170> PatentIn Ver. 2.1

<210> 1

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for use in allele discrimination

<400> 1

ctcagtgtga ttccacacctc tcc

23

<210> 2

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for use in allele discrimination

<400> 2

ctcagtgtga ttccacacctc acc

23

<210> 3

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 3

ctcagtgtga ttccaccc tca

23

<210> 4

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 4

ctcagtgtga ttccaccc tca

23

<210> 5

<211> 96

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 5

gacgagtcag aatcagagaa agacaatata gttctggag aaggtggaat cacactgagc 60

cctatagtga gtcgtattaa actaaagctg agacat 96

<210> 6

<211> 96

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 6

gacgagtcag aatcagagaa agacaatata gttcttgag aaggtggaat cacactgagc 60

cctatagtga gtcgtattaa actaaagctg agacat

96

<210> 7

<211> 80

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 7

taataggaca tctccaagtt tgcagagaaa gacaatatacg ttcttgaga aggttggaaatc 60  
acactgagtg gaggtcaacg 80

<210> 8

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 8

taataggaca tctccaagtt tgcagagaaa gacaatagag ttctttgaga aggttggaaatc 60  
acactgagtg gaggtcaacg 80

<210> 9

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Target  
polynucleotide for allele discrimination

<400> 9

caactggtttc ttgtacctgt caacactgcg ctgggtccaa atgagaatag aaatgatttt 60  
tgtcatct 68

<210> 10

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Target polynucleotide for allele discrimination

<400> 10  
caactggttc ttgtacctgt caacactgcg ctgggtccaa aagagaata 60  
tgtcatct 68

<210> 11

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for use in allele discrimination

<400> 11  
ttttttttt ttttacctc cactcagtgt gattccacct tctcc 45

<210> 12

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for use in allele discrimination

<400> 12  
ttttttttt tttttttttt ttttagtgt gattccacct tctcc 45

<210> 13

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for use in allele discrimination

<400> 13  
ttttttttt tttttttttt tttttttttt gattccacct tctcc 45

<210> 14  
<211> 45  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 14  
ttttttttt tttttttttt tttttttttt tttttcacct tctcc 45

<210> 15  
<211> 45  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 15  
ttttttttt ttttacctc cactcagtgt gattccacct tctca 45

<210> 16  
<211> 45  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 16  
ttttttttt tttttttttt ttttttagtgt gattccacct tctca 45

<210> 17  
<211> 45  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: P1 primer for

use in allele discrimination

<400> 17  
ttttttttt tttttttttt tttttttttt gattccacct tctca 45

<210> 18  
<211> 45  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 18  
ttttttttt tttttttttt tttttttttt tttttcacct tctca 45

<210> 19  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 19  
ttttttttt ttttttagaa gatgacaaaa atcatttcta ttctca 46

<210> 20  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 20  
ttttttttt tttttttttt ttttttaaaa atcatttcta ttctca 46

<210> 21  
<211> 46  
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 21  
ttttttttt tttttttttt tttttttttt ttcatattctta ttctca 46

<210> 22  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 22  
ttttttttt tttttttttt tttttttttt tttttttctta ttctca 46

<210> 23  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 23  
ttttttttt ttttttagaa gatgacaaaa atcatttctta ttctct 46

<210> 24  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 24  
ttttttttt tttttttttt ttttttaaaa atcatttctta ttctct 46

<210> 25  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 25  
ttttttttt tttttttttt tttttttttt ttcatattctta ttctct 46

<210> 26  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: P1 primer for  
use in allele discrimination

<400> 26  
ttttttttt tttttttttt tttttttttt ttcatattctta ttctct 46

<210> 27  
<211> 73  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer for use  
in rolling circle amplification

<400> 27  
ggacatctcc aagttgcag agaaagacaa tatagttctt ttttatgatc acagctgagg 60  
ataggacatg cga 73

<210> 28  
<211> 73  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer for use

in rolling circle amplification

<400> 28  
aactggttct tgtacctgtc aacactgcgc tggttccaaa ttttcttgt acatgtctca 60  
gtagctcgtc agt 73

<210> 29  
<211> 78  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Amplification  
target circle sequence for use in rolling circle  
amplification

<400> 29  
cgcatgtcct atcctcagct gtgatcatca gaactcacct gtttagacgcc accagctcca 60  
actgtgaaga tcgcttat 78

<210> 30  
<211> 80  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Amplification  
target circle sequence for use in rolling circle  
amplification

<400> 30  
actgacgagc tactgagaca tgtacaatcg gacctgttag gtactaccct aatcgaccc 60  
gtgaggtaact accctaactt 80

<210> 31  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Nucleotide  
sequence for use as fluorescence decorator.

<400> 31  
tcagaactca cctgttag 18

<210> 32  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Nucleotide sequence for use as fluorescence decorator.

<400> 32  
actgtgaaga tcgcttat 18

<210> 33  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Nucleotide sequence for use as fluorescence decorator.

<400> 33  
tcggacacctgt gaggtactac cctaa 25

<210> 34  
<211> 57  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer for use in rolling circle amplification

<400> 34  
gttcttgata taacagaaaag ttttttttat gatcacagct gaggatagga catgcga 57

<210> 35  
<211> 56  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer for use

in rolling circle amplification

<400> 35  
tttcttgata taacagaaag tttttttct tgtacatgtc tcagtagctc gtcagt 56